



To accompany plans dated.

		Anchor Bolt	Round Pedestal						CIDH							
					Reinforcing		Ноор			**	Vertical Rei		Reinforcing	g Spiral		
Post	Bol+	Bolts Total	Total	Pedestal			Loop			Pile	Pile					
Туре	Circle	& Dia	Length	Dia		Bar	Circle	Bar	Pitch	Dia	Depth		Bar	Bar Circle	Bar	Pitch
No.	(mm)	(mm)	(mm)	(mm)	Total	Size	(mm)	Size	(mm)	(mm)	(mm)	Total	Size	(mm)	Size	(mm)
I	762	14-51	1270	1676	16	#36	1435	#16	89	1524	7620	28	#36	1 3 0 5	#16	89
ΙΙ	864	14-64	1524	1676	16	#36	1435	#16	89	1524	7620	28	#36	1 3 0 5	#16	89
III	864	14-64	1524	1676	16	#36	1435	#16	89	1524	7620	28	#36	1 3 0 5	#16	89
ΙV	1016	16-64	1524	1676	16	#36	1581	#16	89	1524	10058	28	#36	1 3 0 5	#16	89
٧	1016	16-64	1524	1676	16	#36	1581	#16	89	1524	10058	28	#36	1 3 0 5	#16	89
٧I	1016	16-64	1524	1676	16	#36	1581	#16	89	1524	10058	28	#36	1305	#16	89

Use Foundation Depth shown in table unless otherwise shown on the Project Plans.

## <u>NOTES</u>

- 1. For anchor bolt layout see post sheet.
- 2. For "Base & elevation", see Project Plans.
- 3. Prior to erection of the post, backfill which is equivalent to the surrounding material, shall be in place.
- $^{4}\cdot$  Pedestal shall be formed 150 mm minimum below ground surface Remainder to be placed against undisturbed material.
- $5.\ \mbox{Slope}$  protection required when indicated on the Project Plans.
- 6. Foundation design is based on 2001 ASSHTO article 13.6 Broms' approximate procedure assuming a cohesionless material. The angle of internal friction Dia used 30 degree and unit weight of soil used is 1922 kg/m³.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

## **OVERHEAD SIGNS-TUBULAR** SINGLE POST AND TWO POST TYPE ROUND PEDESTAL PILE FOUNDATION

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

RSP S37 DATED JANUARY 24, 2005 SUPERSEDES STANDARD PLAN S37 DATED JULY 1, 2004-PAGE 339 OF THE STANDARD PLANS BOOK DATED JULY 2004.

REVISED STANDARD PLAN RSP \$37

Vertical reinforcement		Axis of sign				
Ground surface		is C/L				
away from traffic						
Embed 1016 mm for 51 mm Dia bolt Embed 1270 mm for 64 mm Dia bolt		Base ₱ Elev  — 100 Max mortar 65 Min				
755		Ground surface adjacent	Anchor Bolts  Post Bolt Bolts Total Total Pe			
		to traffic	Type Circle & Dia Length			
			No. (mm) (mm) (mm)  I 762 14-51 1270  II 864 14-64 1524			
762 mm to Template		<b>,                                    </b>	III 864 14-64 1524 IV 1016 16-64 1524			
Pth = 2.5 m mm pitch 762 mm Tempi		Conduit, see Lighting Plan	V 1016 16-64 1524 VI 1016 16-64 1524			
depth 4 depth 89 mm 89 mm		See RSP S35	** U			
Sep		#16 @ 89 mm	, and the second			
Pile Spiral #		Pedestal vertical				
<u> </u>	44	reinforcement, See table for size				
<b>₽ ₽ 0</b>		Place concrete against undisturbed material				
		Ą				
CIDH Pil		Permissible Const joint				
		Vert Reinf	Ground surface away from traffic			
<u> </u>			Slope protection See note 5			
75 CIr —	Pile diameter See table					
Vertical reinforcement equally spaced (See table)		Ground surface adjacent to traffic				
(See Table)		-Spiral Reinf	└─ 155 Max 25 Min			
		DETAI	L C			
	SECTION A-A					

Pedestal Vert Reinf Total 16, see table for size

Spiral reinforcement

Spiral #16 @ 89 mm pitch-